Fast simultaneous plasmid vector linearization and dephosphorylation protocol

1. Prepare the following reaction mixture containing:

Plasmid DNA	1 µg
10X Thermo Scientific FastDigest Buffer	2 µL
FastDigest Restriction Enzyme	1 µL
FastAP Thermosensitive Alkaline Phosphatase	1 µL
Water, nuclease-free	to 20 µL
Total volume	**20 µL**

2. Mix thoroughly, spin briefly and incubate at 37°C for at least 15 min.

3. Stop reactions by heating at 65°C for 15 min or at 80°C for 20 min (if restriction enzyme is not inactivated at 65°C)